

HPIC 54/65

19 November 1964
Ref: LJC 42-1445

STATOTHR

[REDACTED]

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Attention: [REDACTED]
STATOTHR Contracting Officer

Subject: [REDACTED] STATOTHR

Enclosure: (1) Three (3) Copies [REDACTED] Cost
Breakdown Worksheets

Gentlemen:

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Under the terms of the subject contract, [REDACTED] is required to complete Phase I by 1 December 1964 within the funding limits of:

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[REDACTED]

During Phase I a considerable amount of additional effort has been and is still to be expended beyond that originally required. This additional effort consists of the following tasks:

I. (a) It was felt that in order to arrive at a firm price for Phase II, the breadboard effort had to be expanded over and above that originally anticipated by breadboarding a film drive system, both to prove out the feasibility of the Velocity Control and to check electrical and resultant mechanical positioning accuracy. This included the ability of the drive system to move without cogging and, also, rapid and precise stopping.

(b) It soon became apparent that one of our greatest problems would be to select and remove without scratching or damage an individual chip from the chip cassette, especially with a possible range in thickness of .003 to .012. The only satisfactory way to accomplish and guarantee the above was by breadboarding and resultant testing. The same applies to positioning the chip accurately on the platen mechanism.

(c) Finally, as initial design considerations were being formulated, it soon became evident that to move a chip through each of several individual stages, both within the time interval required, and

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the resultant high velocities, as well as the positioning accuracy (i.e., holding the chip in precise registration as it was transferred through the liquid gate and maintained at a definite pressure at the image plane), this breadboarding effort also had to be expanded.

II. The security requirement of this contract in terms of personal clearance restricted our efforts during July, August, and September. The lack of cleared personnel limited our efficiency. The clearance of all necessary personnel was accomplished by October 1964, and therefore security clearance is no longer a limiting factor.

III. Although small compared to the above efforts, other work was accomplished in compliance with your request in the following areas:

- (a) Parity
- (b) Film Investigations
- (c) Write-up on Tape Input
- (d) Positional Accuracy Investigations
- (e) Additional Data Recording
- (f) Clarifications on ASA Standard Code

Accordingly, and in consideration of the above, it is respectfully requested that the subject contract be amended to authorize a Phase I completion date of 31 January 1965, with a corresponding change in funds of:

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Transmitted herewith for your assistance in the evaluation of this request are three (3) copies of a [REDACTED] Cost Breakdown, which presents (a) Actual Costs as of 31 October 1964; (b) Estimate to Complete (from 1 November 1964 to 31 January 1965); and (c) Totals.

We trust that this request is complete for your evaluation and will receive your favorable consideration. In the event that additional information is desired, please contact the undersigned.

Very truly yours,

STATOTHR

[REDACTED]
Contracts Administrator

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